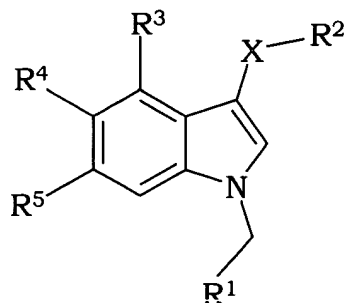


IN THE CLAIMS:

1. (Currently Amended) A compound having the formula



wherein

X is S, SO or SO₂;

R¹ is a 5- or 6-membered monocyclic, hetero- or homocyclic, saturated or unsaturated ring structure optionally substituted with one or more substituents selected from the group consisting of halogen, CN, (1C-4C)fluoroalkyl, nitro, (1C-4C)alkyl, (1C-4C)alkoxy ~~or~~ and (1C-4C)fluoroalkoxy;

R² is 2-nitrophenyl, 2-cyanophenyl, 2-hydroxymethyl-phenyl, pyridin-2-yl, pyridin-2-yl-N-oxide, 2-benzamide, 2-benzoic acid methyl ester or 2-methoxyphenyl;

R³ is H, halogen or (1C-4C)alkyl;

R⁴ is H, OH, (1C-4C)alkoxy, or halogen;

R⁵ is H, OH, (1C-4C)alkoxy, NH₂, CN, halogen, (1C-4C)fluoroalkyl, NO₂, hydroxy(1C-4C)alkyl, CO₂H, CO₂(1C-6C)alkyl, or

R⁵ is NHR⁶, wherein R⁶ is (1C-6C)acyl optionally substituted with one or more halogens, S(O)₂(1C-4C)alkyl, or S(O)₂aryl optionally substituted with (1C-4C)alkyl or one or more halogens, or

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ and R⁹ each independently are H,

(3C-6C)cycloalkyl, or CH_2R^{10} , wherein R^{10} is H, (1C-5C)alkyl, (1C-5C)alkenyl, hydroxy(1C-3C)alkyl, (1C-4C)alkylester of carboxy(1C-4C)alkyl, (1C-3C)alkoxy(1C-3C)alkyl, (mono- or di(1C-4C)alkyl)aminomethyl, (mono- or di(1C-4C)alkyl)aminocarbonyl, or a 3-, 4-, 5- or 6-membered monocyclic, homo- or heterocyclic, aromatic or non-aromatic ring, or R^8 and R^9 form together with the N a heterocyclic 5- or 6-membered saturated or unsaturated ring optionally substituted with (1C-4C)alkyl; or a salt or hydrate form thereof.

2. (Currently Amended) A The compound according to claim 1, ~~characterised in that~~ wherein,

R^1 is a 5- or 6-membered monocyclic, hetero- or homocyclic, saturated or unsaturated ring structure optionally substituted with one or more substituents selected from the group consisting of halogen, CN, CF_3 , nitro, methoxy, trifluoromethoxy ~~or~~ and methyl;

R^2 is 2-nitrophenyl, 2-cyanophenyl, 2-hydroxymethyl-phenyl, pyridin-2-yl, pyridin-2-yl-N-oxide, 2-benzamide, 2-benzoic acid methyl ester or 2-methoxyphenyl;

R^3 is H, halogen or (1C-2C)alkyl;

R^4 is H or F.

3. (Currently Amended) A The compound according to claim 2, ~~characterised in that~~ wherein,

R⁵ is H, OH, (1C-4C)alkoxy, CN, halogen, (1C-4C)fluoroalkyl, NO₂, hydroxy(1C-4C)alkyl, CO₂(1C-6C)alkyl, or

R⁵ is NHR⁶, wherein R⁶ is (1C-6C)acyl optionally substituted with one or more halogens, S(O)₂(1C-4C)alkyl, or S(O)₂aryl optionally substituted with (1C-4C)alkyl or one or more halogens, or

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ and R⁹ each independently are H, (3C-6C)cycloalkyl, or CH₂R¹⁰, wherein R¹⁰ is H, (1C-5C)alkyl, (1C-5C)alkenyl, hydroxy(1C-3C)alkyl, (1C-4C)alkylester of carboxy(1C-4C)alkyl, (1C-3C)alkoxy(1C-3C)alkyl, (mono- or di(1C-4C)alkyl)aminomethyl, (mono- or di(1C-4C)alkyl)-aminocarbonyl, or a 3-, 4-, 5- or 6-membered monocyclic, homo- or heterocyclic, aromatic or non-aromatic ring, or R⁸ and R⁹ form together with the N a heterocyclic 5- or 6-membered saturated or unsaturated ring optionally substituted with (1C-4C)alkyl.

4. (Currently Amended) A The compound according to claim 3, ~~characterised in that~~ wherein,

R³ is H or halogen;

R⁴ is H;

R⁵ is H, OH, (1C-4C)alkoxy, CN, F, Cl, CF₃, NO₂, hydroxy(1C-4C)alkyl, CO₂(1C-6C)alkyl, or

R⁵ is NHR⁶, wherein R⁶ is (1C-3C)acyl optionally substituted with one or more halogens or

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ and R⁹ each independently are H, (3C-5C)cycloalkyl, or CH₂R¹⁰, wherein R¹⁰ is H, (1C-5C)alkyl, (1C-

5C)alkenyl, hydroxy(1C-3C)alkyl, (1C-2C)alkylester of carboxy(1C-2C)alkyl, (1C-3C)alkoxy(1C-3C)alkyl, (mono- or di(1C-4C)alkyl)aminomethyl, (mono- or di(1C-4C)alkyl)aminocarbonyl, (3C-5C)cycloalkyl, or a 5-membered heterocyclic ring.

5. (Currently Amended) A The compound according to claim 4, ~~characterised in that~~ wherein,

X is S or SO₂;

R² is 2-nitrophenyl, 2-hydroxymethyl-phenyl, 2-benzamide, 2-methoxyphenyl, 2-cyanophenyl or pyridin-2-yl;

R³ is H or F;

R⁵ is H, OH, (1C-2C)alkoxy, CN, F, Cl, CF₃, NO₂, hydroxy(1C-4C)alkyl, CO₂(1C-4C)alkyl, or

R⁵ is NHR⁶, wherein R⁶ is formyl, acetyl, fluoroacetyl, difluoroacetyl, or trifluoroacetyl, or

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ is H, and R⁹ is H, cyclopropyl or

R⁹ is CH₂R¹⁰, wherein R¹⁰ is H, (1C-2C)alkyl, hydroxy(1C-2C)alkyl, methoxy(1C-2C)alkyl, cyclopropyl.

6. (Currently Amended) A The compound according to claim 5, ~~characterised in that~~ wherein,

X is S;

R¹ is 3,5-difluorophenyl, pyridin-2-yl, pyridin-3-yl, pyrimidin-5-yl, pyrimidin-4-yl, pyrazin-2-yl, 3-fluorophenyl, 3-cyanophenyl, or 3-nitrophenyl;

R² is 2-nitrophenyl, 2-hydroxymethyl-phenyl, 2-methoxyphenyl, 2-cyanophenyl or pyridin-2-yl;

R³ is H;

R⁵ is OH, (1C-2C)alkoxy, CN, CF₃, NO₂, hydroxy(1C-4C)alkyl, CO₂(1C-4C)alkyl, or NHR⁶, wherein R⁶ is formyl, acetyl, fluoroacetyl, difluoroacetyl, or trifluoroacetyl.

7. (Currently Amended) A The compound according to claim 6, ~~characterised in that~~ wherein,

R¹ is 3,5-difluorophenyl, pyridin-2-yl, pyridin-3-yl, pyrimidin-5-yl, pyrimidin-4-yl, or pyrazin-2-yl;

R² is 2-nitrophenyl, or 2-hydroxymethyl-phenyl;

R⁵ is OH, (1C-2C)alkoxy, CN, hydroxy(1C-4C)alkyl, or NHR⁶, wherein R⁶ is formyl, acetyl, fluoroacetyl, difluoroacetyl, or trifluoroacetyl.

8. (Currently Amended) A The compound according to claim 7, ~~characterised in that~~ wherein,

R¹ is 3,5-difluorophenyl, pyridin-2-yl, pyridin-3-yl, pyrimidin-5-yl, or pyrimidin-4-yl;

R² is 2-nitrophenyl;

R⁵ is OH, (1C-2C)alkoxy, CN, or NHR⁶, wherein R⁶ is formyl, acetyl, fluoroacetyl, difluoroacetyl, or trifluoroacetyl.

9. (Currently Amended) A The compound according to claim 8

selected from the group consisting of 6-Methoxy-3-(2-nitro-phenylsulfanyl)-1-pyrimidin-5-ylmethyl-1*H*-indole, 3-(2-Nitro-phenylsulfanyl)-1-pyridin-2-ylmethyl-1*H*-indole-6-carbonitrile, 3-(2-Nitro-phenylsulfanyl)-1-pyridin-2-ylmethyl-1*H*-indole-6-carbonitrile-hydrochloride, 3-(2-Nitro-phenylsulfanyl)-1-pyrimidin-5-ylmethyl-1*H*-indole-6-carbonitrile, 3-(2-Nitro-phenylsulfanyl)-1-pyrimidin-4-ylmethyl-1*H*-indole-6-carbonitrile, *N*-[1-(3,5-Difluoro-benzyl)-3-(2-nitro-phenylsulfanyl)-1*H*-indol-6-yl]-2-fluoro-acetamide, and *N*-[3-(2-Nitro-phenylsulfanyl)-1-pyrimidin-5-ylmethyl-1*H*-indol-6-yl]-formamide.

10. (Currently Amended) A The compound according to claim 5, ~~characterised in that~~ wherein,

X is S;

R¹ is 3,5-difluorophenyl, pyridin-2-yl, pyridin-3-yl, 3-fluorophenyl, 3-cyanophenyl, or 3-nitrophenyl;

R² is 2-nitrophenyl, 2-hydroxymethyl-phenyl, 2-methoxyphenyl, 2-cyanophenyl or pyridin-2-yl;

R³ is H;

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ is H, and R⁹ is H, or CH₂R¹⁰, wherein R¹⁰ is H, (1C-2C)alkyl, hydroxy(1C-2C)alkyl, or methoxy(1C-2C)alkyl.

11. (Currently Amended) A The compound according to claim 10, ~~characterised in that~~ wherein,

R¹ is 3,5-difluorophenyl, pyridin-2-yl, or pyridin-3-yl;

R² is 2-nitrophenyl, or 2-hydroxymethyl-phenyl;

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ is H, and R⁹ is CH₂R¹⁰, wherein R¹⁰ is H, or (1C-2C)alkyl.

12. (Currently Amended) A The compound according to claim 11, which is 1-(3,5-Difluoro-benzyl)-3-(2-nitro-phenylsulfanyl)-1H-indole-6-carboxylic acid methylamide.

13. (Currently Amended) A The compound according to claim 4, ~~characterised in that~~ wherein,

X is S;

R¹ is 3,5-difluorophenyl, pyridin-2-yl, pyridin-3-yl, 3-fluorophenyl, 3-cyanophenyl, or 3-nitrophenyl;

R² is 2-nitrophenyl, 2-hydroxymethyl-phenyl, 2-methoxyphenyl, 2-cyanophenyl or pyridin-2-yl;

R³ is H;

R⁵ is C(O)N(R⁸,R⁹), wherein R⁸ and R⁹ each independently are H, or CH₂R¹⁰, wherein R¹⁰ is H, (1C-5C)alkyl, (1C-5C)alkenyl, hydroxy(1C-3C)alkyl, (1C-3C)alkoxy(1C-3C)alkyl, or (mono- or di(1C-4C)alkyl)aminomethyl.

14. (Currently Amended) A The compound according to claim 13, ~~characterised in that~~ wherein,

R¹ is 3,5-difluorophenyl, pyridin-2-yl, or pyridin-3-yl;

R² is 2-nitrophenyl, or 2-hydroxymethyl-phenyl;

R⁵ is C(O)N(R⁸, R⁹), wherein R⁸ and R⁹ each independently are H, or CH₂R¹⁰, wherein R¹⁰ is H, (1C-5C)alkyl, hydroxy(1C-3C)alkyl, or (1C-3C)alkoxy(1C-3C)alkyl.

15. (Currently Amended) A The compound according to claim 14, which is 1-(3,5-Difluoro-benzyl)-3-(2-nitro-phenylsulfanyl)-1H-indole-6-carboxylic acid dimethylamide.

16. (Canceled).

17. (Currently Amended) A pharmaceutical composition, comprising:
a the compound according to claim 1 ~~any one of claims 1-15~~
and
a pharmaceutically acceptable carrier.

18. (Currently Amended) A method of treating ~~pharmaceutical composition according to claim 17 for the treatment of a disorder selected from the group consisting of~~ an androgen-receptor related disorder in a patient in need thereof, an androgen related disorder and androgen insufficiency comprising:
administering to said patient a pharmaceutically effective amount of the compound according to claim 1.

19. (Currently Amended) A ~~use of a compound according to any one~~

~~of claims 1-15 for the manufacture of a medicament for the treatment of androgen-receptor related disorders, method of treating~~ androgen related disorders, comprising:

administering to a patient in need thereof a pharmaceutically effective amount of the compound according to claim 1 ~~and androgen insufficiency.~~

20. A method of treating an ~~a disorder selected from the group consisting of an androgen-receptor related disorder, an androgen related disorder and~~ androgen insufficiency, comprising:

administering a pharmaceutically effective amount of a the compound according to ~~any one of claims 1-15~~ to claim 1 to a subject in need thereof.